SERIAL NO. ATTY, DOCKET NO. INDORMATION DISCLOSURE CITATION 117-380 10/069,291 APPLICANT NOBLE et al. FILING DATE TC/A.U. ral sheets if necessary) 2621 March 12, 2002

U.S. PATENT DOCUMENTS

	•	O. I ATEITI BOODINEITIG			
DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
2004/0047498 A1	03/2004	Mulet-Parada et al.	382	128	
2004/0094167 A1	05/2004	Brady et al.	128	916	
6,157,677	12/2000	Martens et al.	375	240.16	9
5,546,476	08/1996	Mitaka et al.	382	201	
5,214,382	05/1993	Harms et al.	324	309	
			4		
					}
	2004/0047498 A1 2004/0094167 A1 6,157,677 5,546,476	DOCUMENT NUMBER DATE 2004/0047498 A1 03/2004 2004/0094167 A1 05/2004 6,157,677 12/2000 5,546,476 08/1996	DOCUMENT NUMBER DATE NAME 2004/0047498 A1 03/2004 Mulet-Parada et al. 2004/0094167 A1 05/2004 Brady et al. 6,157,677 12/2000 Martens et al. 5,546,476 08/1996 Mitaka et al.	DOCUMENT NUMBER DATE NAME CLASS 2004/0047498 A1 03/2004 Mulet-Parada et al. 382 2004/0094167 A1 05/2004 Brady et al. 128 6,157,677 12/2000 Martens et al. 375 5,546,476 08/1996 Mitaka et al. 382	DOCUMENT NUMBER DATE NAME CLASS SUBCLASS 2004/0047498 A1 03/2004 Mulet-Parada et al. 382 128 2004/0094167 A1 05/2004 Brady et al. 128 916 6,157,677 12/2000 Martens et al. 375 240.16 5,546,476 08/1996 Mitaka et al. 382 201

FOREIG	IN PAT	ENT D	OCUM	ents
--------	--------	-------	------	------

		· One in				TRANSL	ATION
	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
661	00/57361	09/2000	WO			ABSTRACT	
141	2 269 508	02/1995	GB			ABSTRACT	
666	652536 A2	05/1995	EP			ABSTRACT	
CLL	95/26539 ⁻	10/1995	wo			ABSTRACT	
CLI	2 268 351	01/1994	GB			ABSTRACT	
						<u> </u>	
f 1				. 4	<u> </u>		

	OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)
CLL	Kita et al., "CORRESPONDENCE BETWEEN DIFFERENT VIEW BREAST X-RAYS USING A SIMULATION OF BREAST DEFORMATION"; Proceedings 1998 IEE Computer Society Conference on Computer Vision and Pattern Recognition, Santa Barbara, CA, 23-25 June 1998, pages 700-707, XP002169274.
	ENSPEC Abstract Accession no. 6398151, Muller et al, 22 February 1999. Not Provided
CLC	Strickland et al., "Computing Correspondence in a Sequence of Non-Rigid Shapes, PATTERN RECOGNITION, Pergamon Press Inc., Elmsford, NY, vol. 25, no. 9, 1 September 1992, pages 901-912.
CLL	Cham et al., "A Statistical Framework for Long-Range Feature Matching in Uncalibrated Image Mosaicing", Computer Vision and Pattern Recognotion, Proceedings 1998 IEEE Computer Society Conference on 23-25 June 1998, Pages 442-447.
CLC	JIANZIN HOU ET AL; "ORIENTATION SELECTIVE OPERATORS FOR RIDGE, VALLEY EDGE, AND LINE DETECTION IN IMAGERY"; Proceedings of the International Conference on Acoustics, Speech and Signal Processing (ICASSP). I. Image and Multidimensional Signal Processing. Adelaide, 19-22 April 1994, New York, IEEE, US, vol. 5, Conf. 19, 19 April 1994, pages V-25-10-29, VD000533698

09/08/03 *Examiner Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Institution of Electrical Engineers, Stevenage, GB, vol. 136, no. 6, Part 1, 1 December 1989, pages 397-404, XP000080261.

VEGA-RIVEROS ET AL; "REVIEW OF MOTION ANALYSIS TECHNIQUES"; IEE Proceedings I. Solid-State & Electron Devices.

	O PHORMATION DISCLOSURE
	CECITATION
	111 1.8 2012 H
E	70c E
N.	(this several sheets if necessary)
	MAUED

ATTY, DOCKET NO.	SERIAL NO.	
117-380	10/069,291	
APPLICANT		
NOBLE et al.		
FILING DATE	TC/A.U.	
March 12, 2002	2621	

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

CUCCHIARA ET AL; "DETECTION OF LUMINOSITY PROFILES OF ELONGATED SHAPES"; Proceedings of the International Conference on Image Processing (ICIP) Lausanne, 16-19 September 1996, New York, IEEE, US, vol. 1, 16 September 1996, pages 6350638, XP010202474.
"Intensity-invariant 2D+T Acoustic Boundary Detection" is from the Workshop on Biomedical Image Analysis, June 26-27, 1998, Santa Barbara, California
Intensity-invariant 2D+T Acoustic Boundary Detection" is from the Proceedings of Medical Image Understanding and Analysis 98, University of Leeds, 6-7 July 1998
"2D+T Acoustic Boundary Detection in Echocardiography" is from Medical Image Computing and Computer-Assisted Intervention - MICCAI'98 First International Conference Cambridge, MA, USA, October 1998 Proceedings, printed in Lecture Notes in Computer Science, edited by William M Wells, Alan Colchester and Scott Delp

*Examiner Limit Date Considered 09/08/05

10/069291 SERIAL NO.

FILING DATE

INFORMATION	DISCLOSURE
CITAT	rion

*EXAMINER

*Examiner

ATTY. DOCKET NO.

117-380 APPLICANT unknown

(Use several sheets if necessary)

NOBLE, J. et al. FILING DATE

GROUP

February 25, 2002

U.S. PATENT DOCUMENTS

*EXAMINER			•		•	FILING	
INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	IF APPRO	PRIATE
CLL	5,669,382 A	09/1997	CURWEN ET AL.				``
CLL	5,293,574	03/1994	ROEHM ET AL.				
CU	5,090,042	02/1992	BEJJANI ET AL.				
CLL	5,054,045	10/1991	WHITING ET AL.				
							
	-						
	 				 		
	 			 	 -		
				 	 		
				 	 		
	<u> </u>			 	1		
							
		<u> </u>		<u> </u>	<u></u>	L	
	,	FC	DREIGN PATENT DOCUMENTS				
							LATION
	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	YES	МО
222	10-165401 A	06/1998	JP	T			
-		 		—	1		
			 		 		
				-	·		
		 		 	 	· ·	
			d 4 ll A 4 Till Bak Badian	<u> </u>	-1	L	
	OTHER DOO	CUMENTS	(including Author, Title, Date, Pertine	nt pages,	elc.)	'IONI'' IE	
<i>CL(</i>	MCEACHEN JC II E I	AL; SHAF	PE-BASED TRACKING OF LEFT VENTE	BS ADUU	WALL WO 1	ION , IE	C C
	Transactions on Med	cai imaging	g, June 1997, vol. 16, no. 3, pages 270-2 OMATIC LEFT VENTRICULAR FEATUR	OS, AFUU	ACTION AN	<u></u>	
CLL	MICHALICATION ED	TAL, AUT	CARDICERARIC IMAGES*: Computers	in Cardio	100v 1996	nanes 9	-12
	VISUALISATION FROM ECHOCARDIOGRAPHIC IMAGES*; Computers in Cardiology, 1996, pages 9-12, XP000687747						
	IACOR G ET AL · *R(DRUST CO	NTOUR TRACKING IN ECHOCARDIO	BAPHIC	SEQUENCE	S" Sixth	
111	JACOB G ET AL; "ROBUST CONTOUR TRACKING IN ECHOCARDIOGRAPHIC SEQUENCES" Sixth International Conference on Computer Vision (IEEE CAT. No. 98CH36271), Processing of IEEE 6 th						
	International Confere	nce on Con	nputer Vision, Bombay, 4-7 January 199	3: pages 4	108-413, XP	0021554	150
	CHALANA V ET AL	A MULTIP	LE ACTIVE CONTOUR MODEL FOR CA	ARDIAC E	OUNDARY	DETEC	TION
CLI	ON ECHOCARDIOGRAPHIC SEQUENCES*; IEEE Transactions on Medical Imaging, vol. 15, no. 3, 1 June						
_	1996, pages 290-298	, XP000587	7923				
CU	KASS M ET AL: "SN	AKES: ACT	IVE CONTOUR MODELS"; London, Jun	e 8-11, 19	87, Washin	gton, IE	EE
CCC	COMP. SOC. PRESS	S, vol. CON	F. 1, 8 June 1987, pages 259-268, XP00	0971219			

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Oraw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Date Considered

Form PTO-FB-A820 (Also PTO-1449)